

Title (en)
PRECISION WIND SYNTHETIC ELASTOMERIC FIBER AND METHOD FOR SAME

Title (de)
PRÄZISIONSGEWICKELTE SYNTHETISCHE ELASTOMERFASER UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
FIBRE ÉLASTOMÈRE SYNTHÉTIQUE À ENROULEMENT DE PRECISION ET PROCÉDÉ CORRESPONDANT

Publication
EP 2349895 A1 20110803 (EN)

Application
EP 09829557 A 20091023

Priority
• US 2009061871 W 20091023
• US 10863308 P 20081027

Abstract (en)
[origin: WO2010062530A1] A method of winding an elastomeric yarn, such as spandex, onto a spool includes the steps of providing a spool; providing an elastomeric yarn; rotating the spool at a speed to define a spool rotation speed; moving the yarn transversely with respect to the spool in an alternating to and fro manner to define a traverse frequency; winding the yarn onto the spool; controlling the ratio of the spool rotation speed to the traverse frequency to define a wind ratio during the winding of the yarn onto the spool; and decreasing the traverse speed as the yarn is wound onto the spool in an inverse proportion to an amount of yarn that has been wound. The winding of the yarn onto the spool forms a yarn cake on the spool. The traverse speed may be decreased in inverse proportion to a diameter of the yarn cake. The method may further include the step of shifting the yarn by a pitch for each rotation of the spool.

IPC 8 full level
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CPC (source: EP KR US)
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WO 2010062530 A1 20100603; BR PI0914347 A2 20151020; CN 102264617 A 20111130; CN 102264617 B 20131211; EP 2349895 A1 20110803; EP 2349895 A4 20120718; HK 1164249 A1 20120921; JP 2012506833 A 20120322; JP 5477825 B2 20140423; KR 20110079910 A 20110711; MX 2011004352 A 20110523; US 2011203964 A1 20110825; US 8910896 B2 20141216

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